

December 3, 2003

PTO/SB/08a (06-03)  
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Substitute for form 1449A/PTO			<b>Complete if Known</b>		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Application Number	10/726,411	
			Filing Date	12/03/2003	
			First Named Inventor	Jetze J. Tepe	
			Art Unit	1626	
			Examiner Name	Stockton	
Sheet	1	of	2	Attorney Docket Number	MSU 4.1-683

U.S. PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
<del>AA</del>	AA	US- 6,318,978		11/20/2001	Ritzler et al	
<del>AB</del>	AB	US- 5,804,374		9/8/1998	Baltimore	
<del>AC</del>	AC	US- 6,410,516		12/25/2002	Baltimore	
<del>AD</del>	AD	US- 5,821,072		10/13/1998	Schwartz et al	
<del>AE</del>	AE	US- 6,001,563		12/14/1999	Deely et al.	
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FOREIGN PATENT DOCUMENTS							
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office <sup>3</sup>	Number <sup>4</sup>	Kind <sup>5</sup> (if known)			
<del>AA</del>	<del>AA</del>	<del>EP</del>	<del>0 622 604</del>	<del>A2</del>		<del>Babcock</del>	
<del>AA</del>	<del>AA</del>	<del>WO</del>	<del>00/04221</del>	<del>A1</del>		<del>Callahan et al.</del>	

Examiner Signature	<i>Sam L. Smith</i>	Date Considered	11/21/06
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Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>		
Sheet	2	of	2	Application Number	
				Filing Date	
				First Named Inventor	Jetze J. Tepe
				Group Art Unit	
				Examiner Name	
				Attorney Docket Number	MSU 4.1-683

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T3
	A1	<del>Baeuerle, Henkel, Ann. Rev. Immunol. 12: 141-179 (1994)</del>	
	A2	<del>Baldwin, Ann. Rev. Immunol. 14: 649-683 (1996)</del>	
	A3	<del>White, J. Biol. Chem. 272: 14914-14920 (1997)</del>	
	A4	<del>Baldwin, J. Clin. Invest. 107: 241-246 (2001)</del>	
	A5	<del>Hideohima et al., J. Biol. Chem. 277: 16639-16647 (2002)</del>	
	A6	<del>Borrero et al., Cancer Res. 61: 7783-7791 (2001)</del>	
	A7	<del>Um et al., Oncogene 20: 6048-6056 (2001)</del>	
	A8	<del>Weldon et al., Surgery 130: 143-150 (2001)</del>	
	A9	<del>Arit et al., Oncogene 20: 859-868 (2001)</del>	
	A10	<del>Liu et al., J. Immunol. 166: 5407-5415 (2001)</del>	
	A11	<del>Kim et al., Biochem. Biophys. Res. Commun. 273: 140-146 (2000)</del>	

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		Filing Date	
		First Named Inventor	Jetze J. Tepe
		Group Art Unit	
		Examiner Name	
Sheet <u>3</u>	of <u>12</u>	Attorney Docket Number	MSU 4.1-683

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	A12	<del>Reich and Lin, Nat. Immunol. 3: 221-227 (2002)</del>	
	A13	<del>Zhong et al., Cell 89: 413-424 (1997)</del>	
	A14	<del>Sizemore et al., Mol. Cell Biol. 19: 4798-4805 (1999)</del>	
	A15	<del>Madrid et al., Mol. Cell Biol. 20: 1626-1638 (2000)</del>	
	A16	<del>Schwabe and Brenner, Am. J. Physiol. Gastrointest. Liver Physiol. 283: G204-211 (2002)</del>	
	A17	<del>Ali et al., Chem. Rev. 101: 2527-2540 (2001)</del>	
	A18	<del>Epinar and Gilmore, Oncogene 18: 6896-6909 (1999)</del>	
	A19	<del>Das and White, J. Biol. Chem. 272: 14914-14920 (1997)</del>	
	A20	<del>Crimetti et al., Blood Cells Mol. Dis. 26: 211-222 (2000)</del>	
	A21	<del>Mayo and Baldwin, Biochim. Biophys. Acta 1470: M55-62 (2000)</del>	
	A22	<del>Adams, Curr. Opin. Chem. Biol. 6: 493-500 (2002)</del>	

Examiner Signature <u>Jean J. Stodola</u>	Date Considered <u>11/21/06</u>
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	
		Filing Date	
		First Named Inventor	Jetze J. Tepe
		Group Art Unit	
		Examiner Name	
Sheet	4	of	12
		Attorney Docket Number	MSU 4.1-683

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	A23	Boland, Biochem. Soc. Trans. 29: 674-678 (2001)	
	A24	<del>Chen et al., Am. J. Pathol. 159: 387-397 (2001)</del>	
	A25	<del>Cusack et al., Drug Resist. Updat. 2: 271-273 (1999)</del>	
	A26	<del>Burnett, Jr., Nat. Rev. Cancer 2: 740-749 (2002)</del>	
	A27	<del>Gulfridge et al., Mol. Cell. Biol. 19: 5785-5799 (1999)</del>	
	A28	<del>Innes et al., Ann. Thorac. Surg. 70: 930-936 (2000)</del>	
	A29	<del>Orlowski et al., J. Clin. Oncol. 20: 4420-4427 (2002)</del>	
	A30	<del>Royds et al., Mol. Pathol. 51: 55-61 (1998)</del>	
	A31	<del>Shah et al., J. Cell. Biochem. 82: 120-122 (2001)</del>	
	A32	<del>Wang et al., Science, 274: 784-787 (1996)</del>	
	A33	<del>Feldmann et al., Ann. Rheum. Dis. 61: Suppl 2, i113-18 (2002)</del>	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			Application Number		
			Filing Date		
			First Named Inventor	Jetze J. Tepe	
			Group Art Unit		
			Examiner Name		
Sheet	5	of	12	Attorney Docket Number	MSU 4.1-683

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cita No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	A34	<del>Gerard and Roffins, Nat. Immunol. 2: 108-115 (2001)</del>	
	A35	Hart et al., Am. J. Respir. Crit. Care Med. 158: 1585-1592 (1998)	
	A36	<del>Dee and Burkart, J. Clin. Pharmacol. 38: 981-993 (1998)</del>	
	A37	<del>Makarev, Arthritis Res. 2: 200-206 (2001)</del>	
	A38	<del>Manna et al., J. Immunol. 163: 6808-6809 (1999)</del>	
	A39	<del>Mingkov et al., Proc. Natl. Acad. Sci. U.S.A. 95: 13859-13864 (1998)</del>	
	A40	<del>Mfossec, Cell Mol. Biol. (Noisy-le-grand), 47: 672-678 (2001)</del>	
	A41	<del>Roshak et al., Curr. Opin. Pharmacol. 2: 316-321 (2002)</del>	
	A42	<del>Tak and Firestein, J. Clin. Invest. 107: 7-11 (2001)</del>	
	A43	<del>Taylor, Mol. Biotechnol. 19: 153-168 (2001)</del>	
	A44	Yamamoto and Gaynor, J. Clin. Invest. 107: 135-142 (2001)	

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Sheet	6	of	12	Attorney Docket Number	MSU 4.1-683

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	A45	<del>Zhang and Ghosh, J. Endocrin. Res. 6: 453-457 (2000)</del>	
	A46	<del>Ghosh et al., Ann. Rev. Immunol. 16: 223-260 (1998)</del>	
	A47	<del>Baeuerle and Henkel, Ann. Rev. Immunol. 12: 141-179 (1994)</del>	
	A48	<del>Daelemans et al., Antivir. Chem. Chemother. 10: 1-14 (1999)</del>	
	A49	<del>Rabson, A. B., Lin, H. C. Adv. Pharmacol. 48: 161-207 (2000)</del>	
	A50	<del>Pati, J., et al. J. Virol. 77: 5739-5753 (2003)</del>	
	A51	<del>Quinn, W., et al. J. Virol. 76: 11091-11103 (2002)</del>	
	A52	<del>Takada, N., et al. J. Virol. 76: 8019-8030 (2002)</del>	
	A53	<del>Chen-Park, F. E., et al. J. Biol. Chem. 277: 24701-24708 (2002)</del>	
	A54	<del>Ballard, E. W. Immunol. Res. 21: 157-166 (2001)</del>	
	A55	<del>Barlow, A. S., Jr. J. Clin. Invest. 107: 3-6 (2001)</del>	

Examiner Signature	<i>Lawrence S. Stedman</i>	Date Considered	11/21/06
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
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	A56	<del>Calzardo, M. A., et al., Clin Exp Immunol, 120, 317-323 (2000)</del>	
	A57	<del>Roland, J., et al., DNA Cell Biol, 18, 819-828 (1999)</del>	
	A58	<del>Boykins, R. A., et al., J Immunol, 163, 15-20 (1999)</del>	
	A59	<del>Asin, S., et al., J Virol, 73, 3893-3903 (1999)</del>	
	A60	<del>Soto, et al., AIDS Res Hum Retroviruses, 14, 293-298 (1998)</del>	
	A61	<del>Fiori, D., et al., Science, 278, 1295-1300 (1997)</del>	
[Signature]	A62	Coward, W. R., et al., Clin Exp Allergy 28 Suppl 3, 42-46 (1998)	
[Signature]	A63	Badger, A. M., et al., J Pharmacol Exp Ther 290 587-593 (1999)	
[Signature]	A64	Breton, J. J., et al., J Pharmacol Exp Ther 282 459-466 (1997)	
[Signature]	A65	Roshak, A., et al., J Pharmacol Exp Ther 283 955-961 (1997)	
[Signature]	A66	Kopp, E., et al., Science 265 956-959 (1994)	

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	A67	Ichiyama, T., et al., Brain Res 911 56-61 (2001)	
	A68	<del>Hehner, S. P., et al., J Immunol 163 3617-3623 (1999)</del>	
	A69	Natarajan, K., et al., Proc Natl Acad Sci USA 93 9090-9095 (1996)	
	A70	Fung-Leung, W. P., et al., Transplantation, 60, 362-368 (1995)	
	A71	H. Bohrer, J. Clin. Invest. 972-985 (1997)	
	A72	M.P. Boland, Biochemical Society Transactions (2001) volume 29, part 6, p 674-678	
	A73	<del>Cusack, J.C., et al., A.S. Drug Resist Updat, 2, 271-273 (1999)</del>	
	A74	<del>Mayo, M.W., Baldwin, A.S. Science, 274, 784-787 (1996)</del>	
	A75	Cusack, J.C., Jr., Liu, R., Baldwin, A.S., Jr. Cancer Res; 60, 2323-2330 (2000)	
	A76	Brandes, L.M., et al., Mol Pharmacol, 60, 559-567 (2001)	
	A77	Arlt, A., et al. Oncogene, 20, 859-868 (2001)	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	
		Filing Date	
		First Named Inventor	Jetze J. Tepe
		Group Art Unit	
		Examiner Name	
Sheet	9	of	12
		Attorney Docket Number	MSU 4.1-683

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	A78	Cusack, J.C., et al. Cancer Res 61, 3535-3540 (2001)	
	A79	Hershenson, F.M.P., Synthesis 999-1001 (1988)	
	A80	Consonni, R.C., et al., J. chem. Research (S) 188-189 (1991)	
	A81	Bilodeau, M.T.C., J. Org. Chem. 63 2800-2801 (1998)	
	A82	Puntener, K., et al., J. Org Chem 65 8301-8306 (2000)	
	A83	Hsiao, Y. H., J. Org. Chem. 62 3586-3591 (1997)	
	A84	Dghaym, R.D. D., et al., Angew. Chem. Int. Ed. Engl. 40 3228-3230 (2001)	
	A85	Viso, A., et al., J. Org. Chem. 63 2316-2317 (1997)	
	A86	M. Karin, Nature immunology, 3, 221-227 (2002)	
	A87	Baldwin, J. Clin. Invest., 3, 241-246 (2001)	
	A88	T. Huang et al, J. Biol. Chem., 275, 9501-9509 (2000)	

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	A89	Schunk et al., Organic letters 2: 907-910 (2000)	
	A90	Sain et al., Heterocycles 23: 1611-1614 (1985)	
	A91	<del>Peddibhotla et al., Highly Diastereoselective Ivanova, G.G., Tetrahedron 48: 177-186 (1992)</del>	
	A92	<del>Journal of Clinical Investigation 100: 972-985 (1997)</del>	
	A93	<del>Proc. Natl. Acad. Sci. USA 76: 5939-5943 (1979)</del>	
	A94	<del>J. Exp. Med. 163: 657-663 (1987)</del>	
	A95	<del>Chang, Eur. J. Pharmacol. 143: 197-205 (1987)</del>	
	A96	<del>Breton et al., J. Pharmacol. Exp. Ther. 282: 459-466 (1997)</del>	
	A97	Peddibhotla et al., Org. Lett 4: 3533-3535 (2002)	
	A98	<del>Hart et al., Am. J. Respir. Crit. Care Med. 158: 1383-1392 (1998)</del>	
	A99	<del>Makarov, Arthritis Res. 3: 260-266 (2001)</del>	

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	B1	<del>Denny, ACS Press, Washington, D.C., 483-500 (1995)</del>	
	B2	<del>Wall, Med. Res. Rev. 18: 299-314 (1998)</del>	
	B3	<del>Pomnier et al., Biochim. Biophys. Acta 1400: 83-105 (1998)</del>	
	B4	<del>Macdonald et al., Comprehensive natural products chemistry, pp 593-614 (1999)</del>	
	B5	<del>Huang et al., J Biol Chem 275: 9501-9509 (2000)</del>	
	B6	<del>Pirist and Pierre, Nucl. Acids Res. 24: 4242-4248 (1996)</del>	
	B7	<del>Bottery et al., Cancer Res 61: 7735-7701 (2001)</del>	
	B8	<del>Delhage et al., Science 284: 309-313 (1999)</del>	
	B9	<del>Karia, Oncogene 18: 6867-6874 (1999)</del>	
	B10	<del>Thomberg et al., Nature 356: 768-774 (1992)</del>	
	B11	<del>Nicholson et al., Trends Biochem. Sci. 22: 299-306 (1997)</del>	

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Sheet	12	of	12
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**Complete if Known****Application Number**

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**Jetze J. Tepe**

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